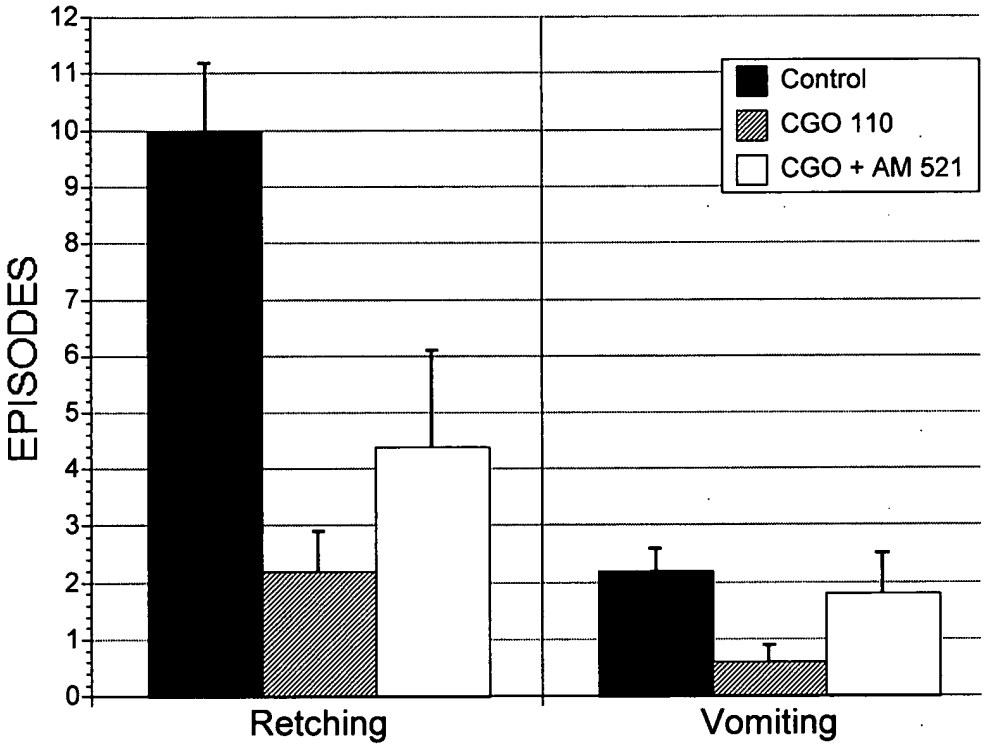
12
11
10
9
8
7
6
5
4
3
2
1
0
EPISODES
Control
CGO 110
CGO + AM 521
Retching
Vomiting

FIGURE 1

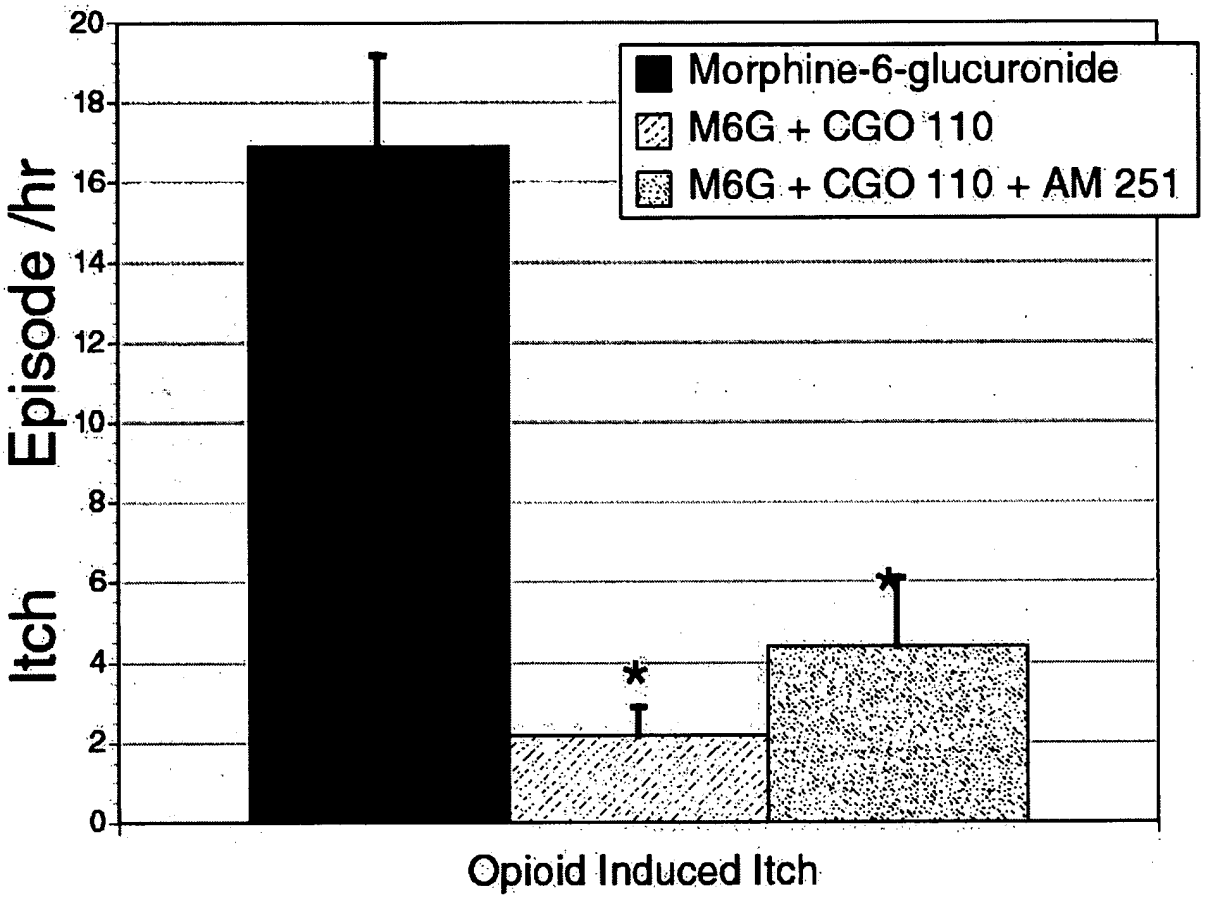
Itch Episode /hr
20
18
16
14
12
10
8
6
4
2
0
Morphine-6-glucuronide
M6G + CGO 110
M6G + CGO 110 + AM 251
*
*
Opioid Induced Itch

FIGURE 2

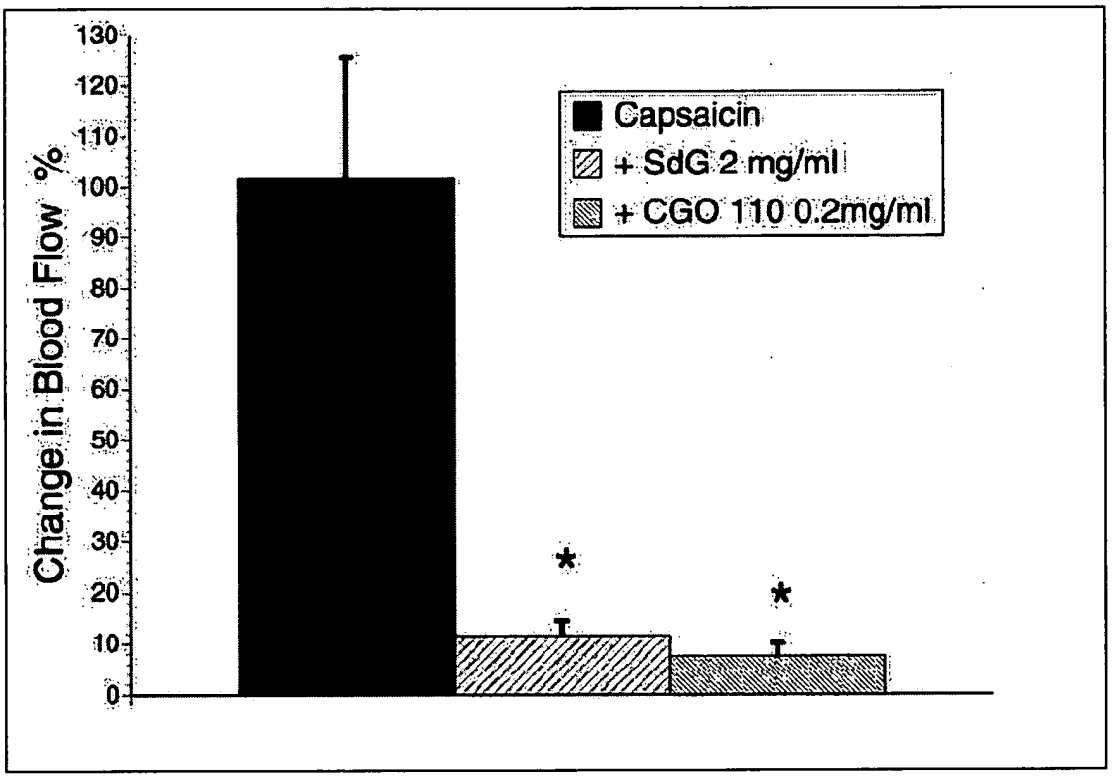
Change in Blood Flow %
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Capsaicin
+ SdG 2 mg/ml
+ CGO 110 0.2mg/ml
*
*

FIGURE 3

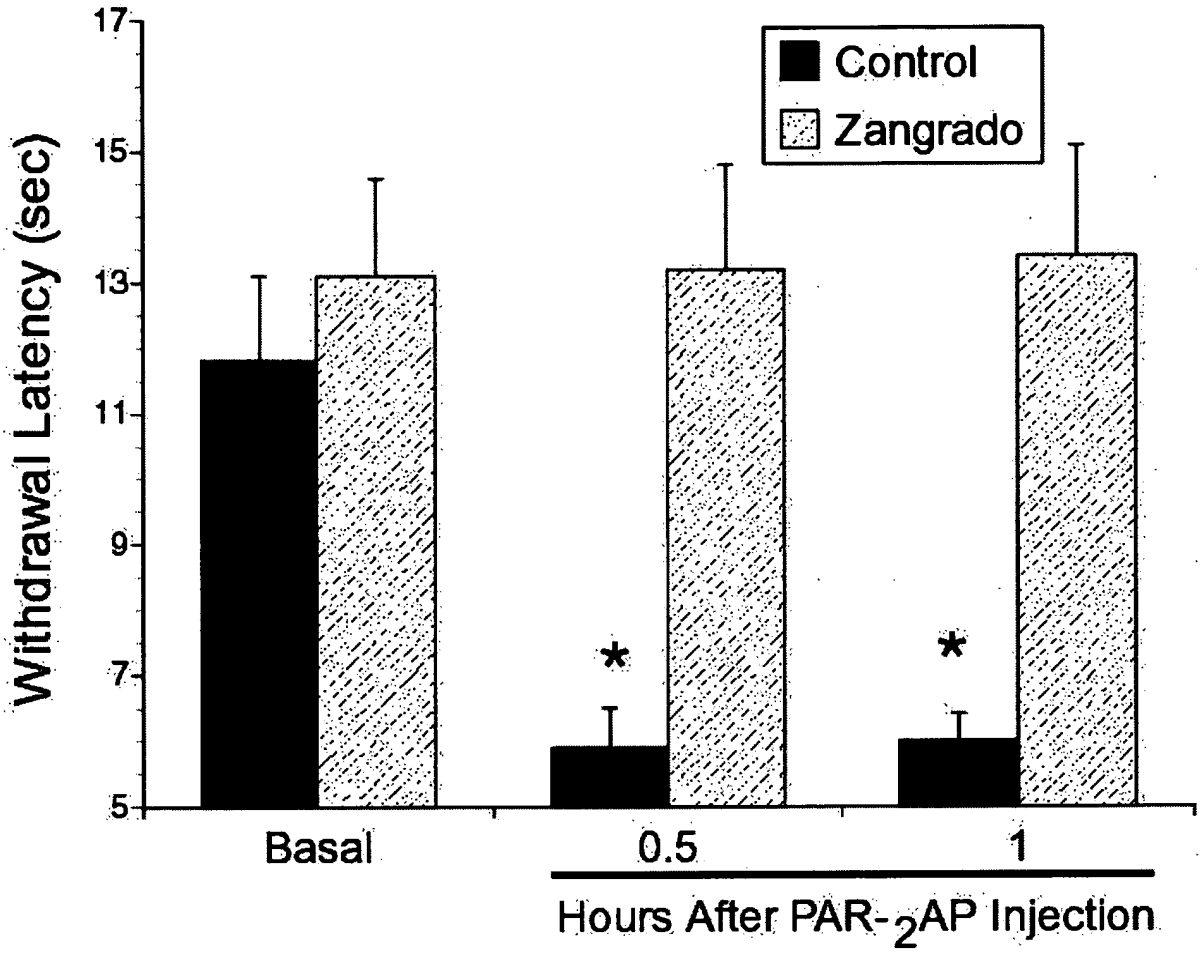
Withdrawal Latency (sec)
17
15
13
11
9
7
5
Control
Zangrado
*
*
Basal
0.5
1
Hours After PAR-2AP Injection

FIGURE 4

5

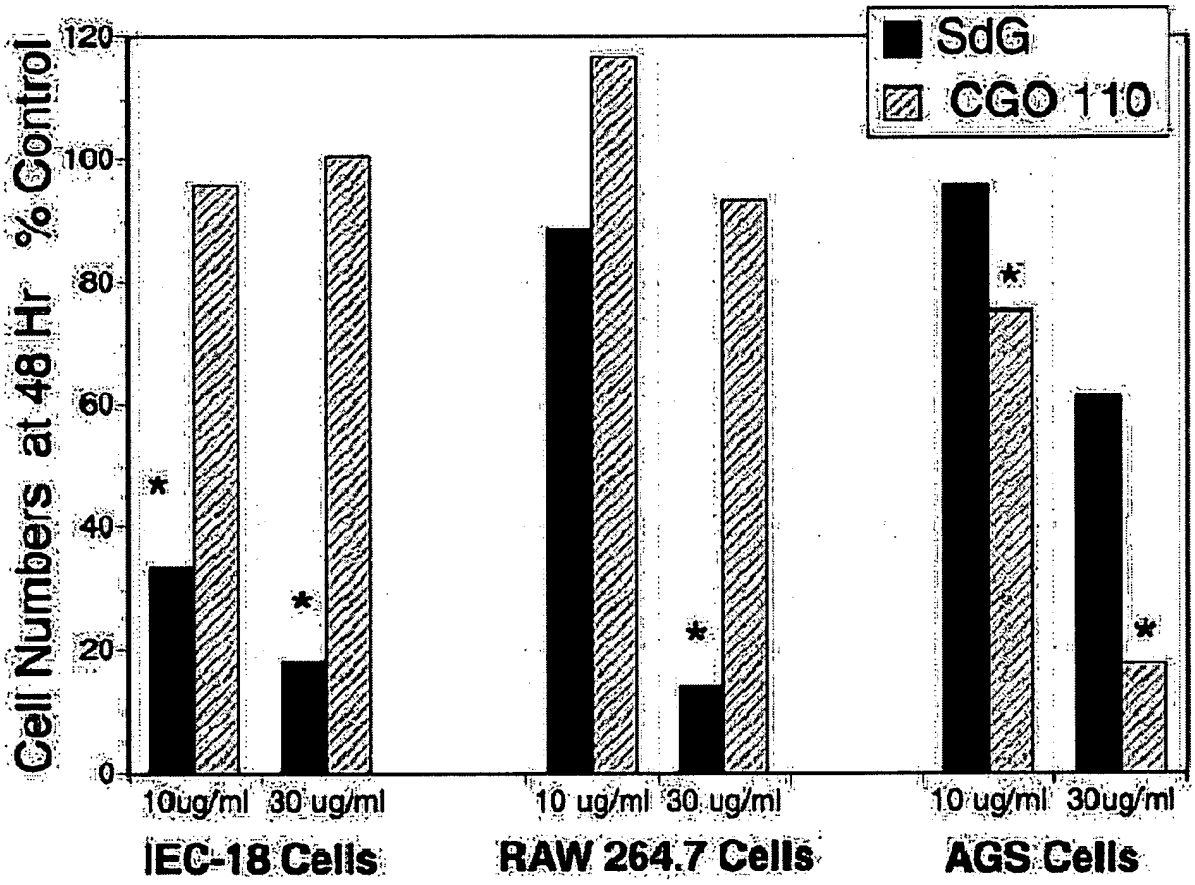
SdG
CGO 110
Cell Numbers at 48 Hr % Control
120
100
80
60
40
20
0
*
*
*
*
*
10ug/ml 30 ug/ml
10 ug/ml 30 ug/ml
10 ug/ml 30ug/ml
IEC-18 Cells
RAW 264.7 Cells
AGS Cells

FIGURE 5

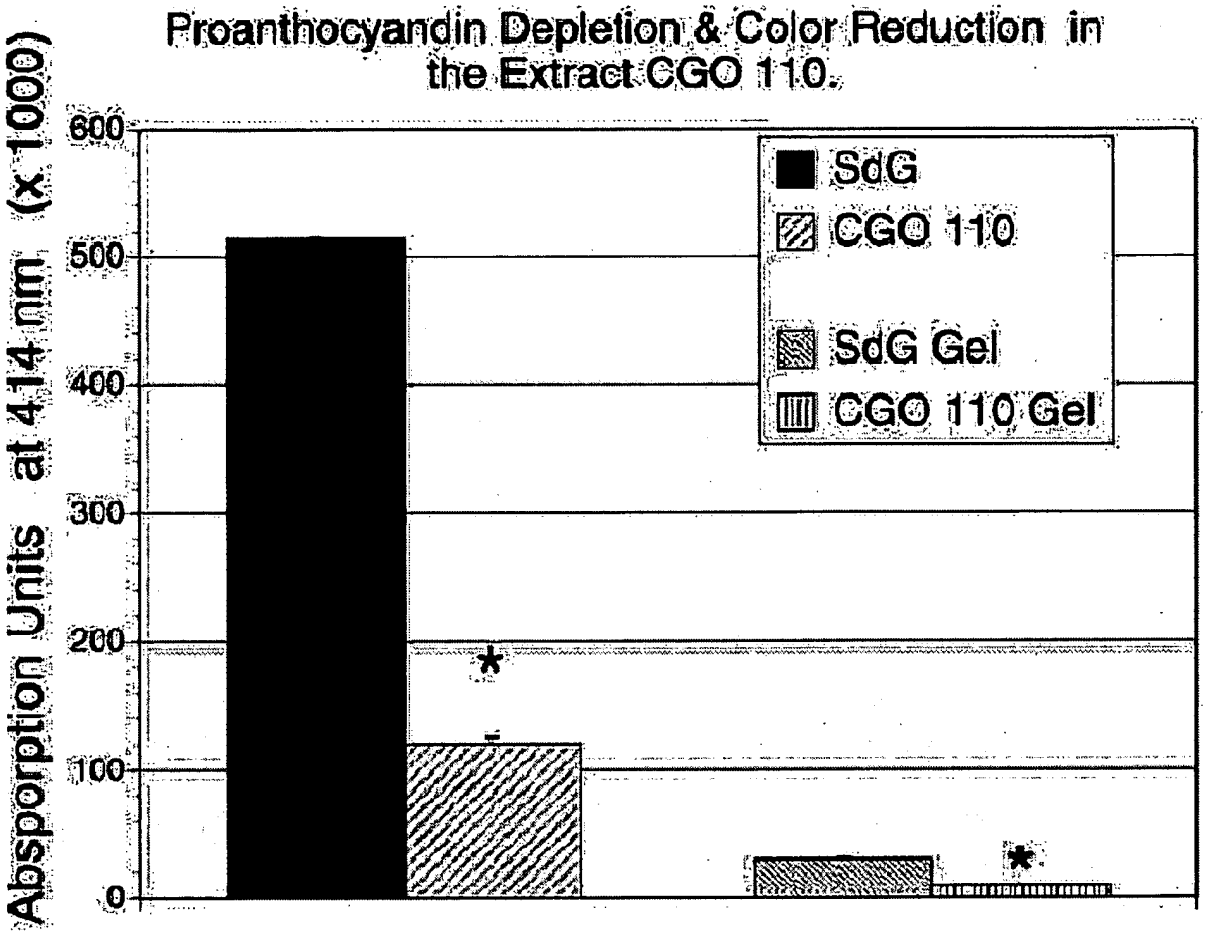
Proanthocyandin Depletion & Color Reduction in the Extract CGO 110.
Absorption Units at 414 nm (x 1000)
600
500
400
300
200
100
0
SdG
CGO 110
SdG Gel
CGO 110 Gel
*
*

FIGURE 6

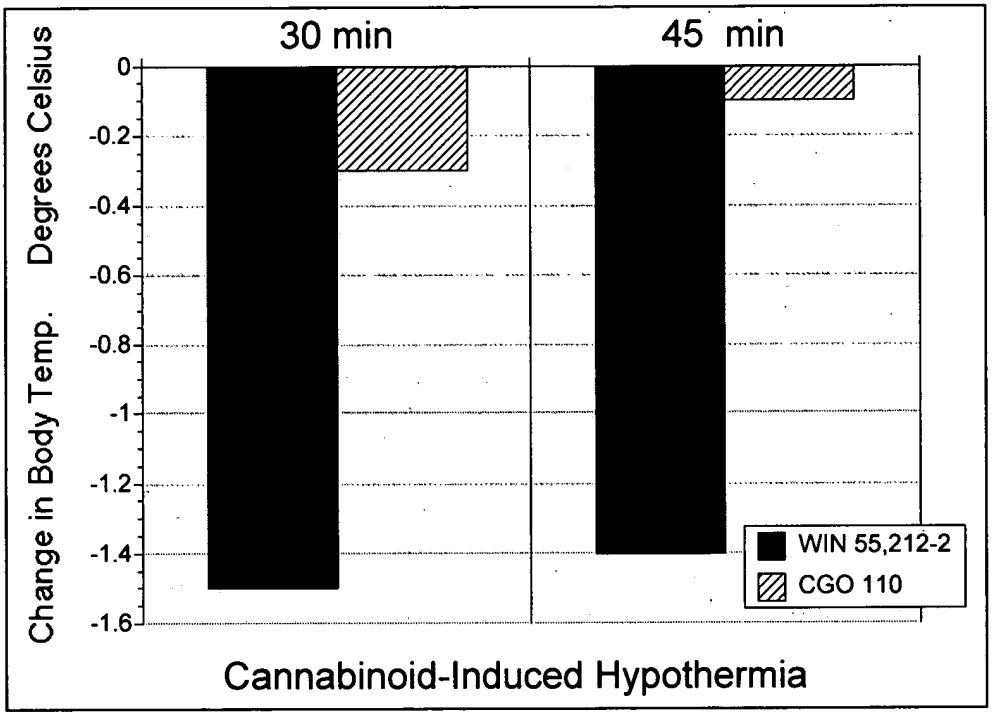
30 min
45 min
Change in Body Temp. Degrees Celsius
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
-1.6
WIN 55,212-2
CGO 110
Cannabinoid-Induced Hypothermia

FIGURE 7